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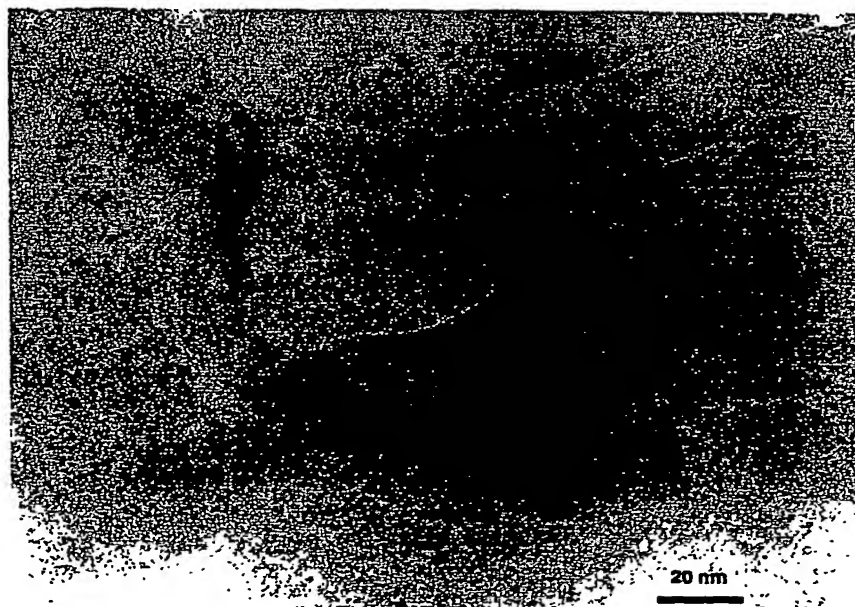
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[Continued on next page]

(54) Title: **ULTRA-FINE FIBROUS CARBON AND PREPARATION METHOD THEREOF**



(57) Abstract: The present invention discloses ultra-fine fibrous carbon and preparation of the same. Specifically, the present ultra-fine fibrous carbon is characterized by the graphite-like structure with the sp^2 hybrid carbon content of more than 95 % per total content; the (002) plane interlayer spacing (d_{002} , d-spacing of C(002) profiles determined by X-ray diffraction method) of 0.3370 ~ 0.3700 nm; the (002) plane stacking of more than 4 layers, namely the stacking height (L_{c002}) of more than 1.5 nm; fibrous carbon length per fibrous carbon width of diameter (aspect ratio) of more than 20; the average diameter of 5 ~ 50 nm.

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PCT/KR2003/002180**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 B82B 3/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
KIPASS, USP, PAJ "NANOFIBER, CARBON"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2001-98430 A (EBARA CORP.) 10 APR. 2001 See the whole document	1-3 4-11
X Y	JP 2001-19413 A (EBARA CORP.) 23 JAN. 2001 See the whole document	1-3 4-11
Y	JP 2002-105765 A (TOSHIBA CORP.) 10 APR. 2002 See the whole document	1-11
Y	US 5,458,784 A (Catalytic Materials Limited) 17 OCT. 1995 See column 10, line 7 - column 14, line 65 and claims 1-20	1-11
A	US 6,156,256 A (Applied Sciences, Inc.) 5 DEC. 2000 See the whole document	1-11

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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